What is claimed is:

- A dielectric ceramic composition including at least a main component containing a dielectric oxide
- having a composition expressed by $[(Ca_xSr_{1-x})O]_m[(Ti_yZr_{1-y-z}Hf_z)O_2]$,

a first subcomponent containing a Mn oxide and/or an Al oxide, and

a glass component:

wherein "m", "x", "y" and "z" indicating

composition mole ratios in the formula included in said

main component are in relationships of

 $0.90 \le m \le 1.04$

 $0.5 \le x < 1$

15 $0.01 \le y \le 0.10$

 $0 < z \le 0.20$.

- The dielectric ceramic composition as set forth in claim 1, including 0.2 to 5 mol% of said Mn
 oxide in terms of MnO and 0.1 to 10 mol% of said Al oxide in terms of Al₂O₃ with respect to 100 mol% of said main component.
- 3. The dielectric ceramic composition as set
 25 forth in claim 1 or 2, including 0 to 2.5 mol% (note that

0 is excluded) of a V oxide in terms of V_2O_5 with respect to 100 mol% of said main component.

- 4. The dielectric ceramic composition as set forth in any one of claims 1 to 3, wherein said glass component contains at least SiO₂ as a main component.
 - 5. The dielectric ceramic composition as set forth in any one of claims 1 to 4, wherein said glass component is expressed by $[(Ba_vCa_{1-v})O]_wSiO_2$, "v" and "w" in the composition formula of said glass component are in ranges of $0 \le v \le 1$ and $0.5 \le w \le 4.0$, and said glass component is included by 0.5 to 15 mol% with respect to 100 mol% of said main component.

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6. The dielectric ceramic composition as set forth in any one of claims 1 to 5, including at least one of rare earth elements including Sc and Y by 0.02 to 1.5 mol% with respect to 100 mol% of said main component.

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7. The dielectric ceramic composition as set forth in any one of claims 1 to 6, including at least one of Nb, Mo, Ta, W and Mg by 0.02 to 1.5 mol% with respect to 100 mol% of said main component.

8. The dielectric ceramic composition as set forth in any one of claims 1 to 7, wherein "m" indicating a composition mole ratio in the formula contained in said main component is $1.005 \le m \le 1.025$.

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9. A production method of the dielectric ceramic composition as set forth in any one of claims 1 to 8, comprising the steps of:

preparing materials of said dielectric ceramic 10 composition;

mixing said materials;

obtaining a calcinated substance by collectively calcinating said mixed materials to bring solid-phase reaction by using a dry synthesis method; and

obtaining said dielectric ceramic composition by performing main firing on said calcinated substance.

- 10. An electronic device having a dielectric layer:
- wherein said dielectric layer is composed of the dielectric ceramic composition as set forth in any one of claims 1 to 8.
- 11. An electronic device having alternately stacked internal electrodes and dielectric layers,

wherein said dielectric layers are composed of the dielectric ceramic composition as set forth in any one of claims 1 to 8.

- 5 12. The electronic device as set forth in claim 11, wherein said internal electrode includes at least nickel.
- 13. The electronic device as set forth in claim
 10 11 or 12, wherein an average particle diameter of a crystal in said-dielectric-layer is 2 μm or less.
- 14. A production method of the electronic device as set forth in any one of claims 11 to 13, wherein main firing at 1300°C or lower is performed on said internal electrodes and dielectric layers at a time.